

Turnaround Time Dashboard

Reporting period: 08/30/2020 - 09/05/2020

The turnaround time measured is defined the time between collection of specimen and reporting of results. This includes time to collect the specimen, time to ship the specimen and time to process the specimen and report the result. Some delays incurred between specimen collection and lab receipt of specimen may not be attributable to the labs. The turnaround time data for individual test results are currently only available at the date level (vs. date & timestamp). As such, the turnaround time calculations are based on whole day. On occasion, turnaround time may be higher if there is a date change between collection of specimen and reporting of results.

Labs that delivered more than 1,000 results in the week are included in the dashboard.

The data source for the analysis is CalREDIE; detailed methodology is included at the end of the document.



Turnaround Time, days¹

Information contained in this file is preliminary and pre-decisional

Reporting period: 08/30/20-09/05/20²

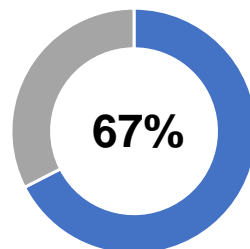
Average turnaround time for week 08/30/20-09/05/20

Average turnaround time
from specimen collection
to lab result (days)

1.3

Days

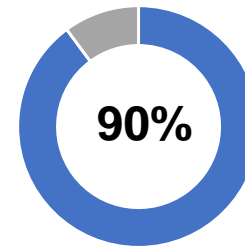
Percentage of results
meeting turnaround time
of 1 day



% change from week prior

+5%

Percentage of results
meeting turnaround time
of 2 days

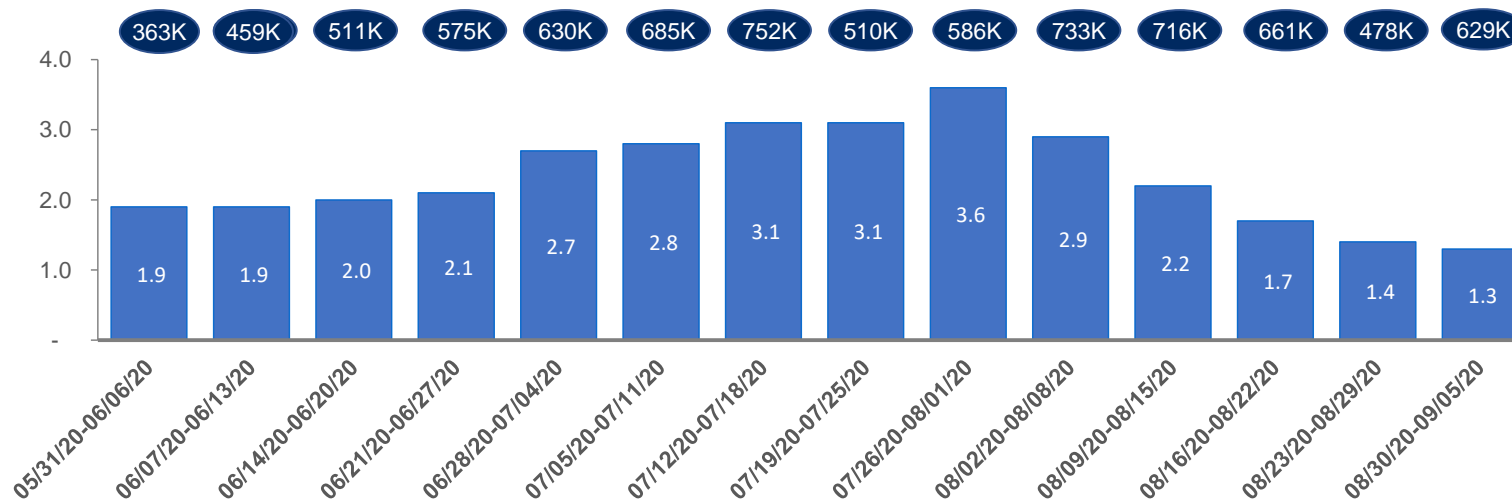


% change from week prior

+2%

Average turnaround time by week, days¹

X # results (000s)



1. Average turnaround times were determined based on date timestamp data only - hour timestamp currently unavailable

2. Results assigned to week based on specimen result date; Results may be delayed entering CalREDIE production, therefore the metrics retroactively change

Time from specimen collection to lab result (days)

Week of

08/30/20-09/05/20²

Information contained in this file is preliminary and pre-decisional

| Period of time with majority of results | | | Total test count | 1 day, % of results | 2 days, % of results | 3 days - 4 days, % of results | 5+ days, % of results | Total results within 2 days, % of results | Difference in % of results within 2 days from prior period ³ | Specimen collection to result average TAT (days) ¹ |
|---|--------------------------------|---------------|------------------|---------------------|----------------------|-------------------------------|-----------------------|---|---|---|
| ▲ Increase in % results within 2 days from prior period | | | | | | | | | | |
| ▬ Defined as -1 to 1% change in results within 2 days from prior period | | | | | | | | | | |
| ▼ Decrease in % results within 2 days from prior period | | | | | | | | | | |
| Total | Total | | 629,066 | 67% | 22% | 9% | 1% | 90% | ▲ 2% | 1.3 |
| Commercial Labs | Quest | | 93,029 | 19% | 57% | 23% | 2% | 76% | ▬ 1% | 2.2 |
| | KorvaLabs/Curative | | 64,488 | 93% | 6% | 1% | 0% | 99% | ▬ 0% | 1.0 |
| | Labcorp | | 59,125 | 21% | 56% | 22% | 2% | 77% | ▲ 19% | 2.1 |
| | Fulgent Genetics | | 57,222 | 90% | 8% | 2% | 0% | 98% | ▲ 4% | 1.1 |
| | Priva Path (dba LGC Labs) | | 31,435 | 89% | 8% | 3% | 0% | 97% | ▬ 0% | 1.0 |
| | Color Genomics | | 29,061 | 66% | 30% | 5% | 0% | 95% | ▲ 1% | 1.3 |
| | Avellino | | 26,380 | 100% | 0% | 0% | 0% | 100% | ▬ 0% | <1 |
| | BioReference Laboratories | | 18,436 | 33% | 34% | 30% | 2% | 68% | ▲ 28% | 2.1 |
| | WestPac Labs | | 18,099 | 66% | 26% | 7% | 1% | 92% | ▲ 2% | 1.5 |
| | MiraDx | | 16,238 | 83% | 10% | 7% | 0% | 92% | ▼ -5% | <1 |
| | Primex Clinical Laboratories | | 7,135 | 100% | 0% | 0% | 0% | 100% | ▬ 0% | <1 |
| | ARUP | | 4,981 | 3% | 23% | 71% | 4% | 26% | ▼ -3% | 3.0 |
| | Calm Lab | | 4,502 | 100% | 0% | 0% | 0% | 100% | ▬ 0% | <1 |
| | AIT Labs | | 3,149 | 35% | 35% | 17% | 13% | 71% | ▼ -25% | 2.7 |
| | Foundation labs | | 1,410 | 79% | 19% | 2% | 0% | 98% | ▲ 2% | 1.3 |
| | Valley Clinical Laboratory | | 1,230 | 91% | 9% | 0% | 0% | 100% | ▬ 0% | <1 |
| | StemExpress | | 1,050 | 67% | 28% | 4% | 1% | 95% | ▲ 4% | 1.4 |
| | Other Commercial (n=22) | | 3,007 | 75% | 13% | 11% | 1% | 88% | ▼ -7% | <1 |
| | Total Commercial | | 439,977 | 60% | 28% | 11% | 1% | 88% | ▲ 3% | 1.4 |
| | Medical Center Affiliated Labs | Kaiser SoCal | | 26,099 | 95% | 5% | 0% | 0% | 100% | ▬ 0% |
| Kaiser NorCal | | | 24,058 | 77% | 18% | 3% | 2% | 96% | ▬ 0% | 1.2 |
| Sutter Health | | | 10,727 | 99% | 1% | 0% | 0% | 100% | ▬ 0% | <1 |
| Stanford Hospital and Clinics | | | 9,165 | 94% | 6% | 0% | 0% | 100% | ▬ 0% | <1 |
| Dignity Health | | | 8,957 | 86% | 12% | 2% | 1% | 97% | ▲ 4% | <1 |
| Santa Clara Valley Medical Center | | | 6,822 | 100% | 0% | 0% | 0% | 100% | ▬ 0% | <1 |
| UCSF | | | 7,370 | 64% | 25% | 10% | 1% | 89% | ▲ 7% | 1.2 |
| UC Irvine | | | 6,822 | 39% | 40% | 12% | 9% | 79% | ▼ -3% | 2.0 |
| Sharp HealthCare | | | 5,679 | 71% | 12% | 6% | 11% | 83% | ▼ -3% | 1.8 |
| Providence Health & Services | | | 6,822 | 99% | 0% | 1% | 0% | 99% | ▬ 0% | <1 |
| UCLA | | | 5,115 | 99% | 0% | 0% | 0% | 100% | ▬ 0% | <1 |
| HCA | | | 6,822 | 98% | 2% | 0% | 0% | 100% | ▬ 1% | <1 |
| Scripps | | | 3,351 | 100% | 0% | 0% | 0% | 100% | ▬ 0% | <1 |
| Cedars-Sinai Medical Center | | | 3,164 | 86% | 12% | 1% | 0% | 99% | ▬ 1% | <1 |
| Adventist Health | | | 3,109 | 77% | 7% | 14% | 2% | 84% | ▼ -3% | 1.0 |
| University of Southern California - Los Angeles | | | 2,308 | 93% | 5% | 2% | 0% | 98% | ▼ -1% | <1 |
| UC Davis | | | 2,055 | 98% | 2% | 0% | 0% | 100% | ▬ 0% | <1 |
| Mayo Clinic | | | 1,964 | 37% | 25% | 36% | 2% | 62% | ▲ 18% | 1.9 |
| Zuckerberg San Francisco General Hospital | | | 1,847 | 100% | 0% | 0% | 0% | 100% | ▬ 0% | <1 |
| Huntington Hospital | | | 1,456 | 100% | 0% | 0% | 0% | 100% | ▬ 0% | <1 |
| Children's Hospital Los Angeles | | | 1,399 | 92% | 8% | 0% | 0% | 100% | ▬ 0% | <1 |
| Sun Clinical Laboratories | | | 1,320 | 100% | 0% | 0% | 0% | 100% | ▬ 0% | <1 |
| Ventura County Hospital | | | 1,284 | 100% | 0% | 0% | 0% | 100% | ▬ 0% | <1 |
| Community Medical Centers | | | 1,136 | 100% | 0% | 0% | 0% | 100% | ▬ 0% | <1 |
| MLK Jr. Hospital | | | 1,077 | 92% | 3% | 6% | 0% | 94% | ▲ 2% | <1 |
| Contra Costa Medical Center | | | 1,045 | 84% | 15% | 1% | 0% | 99% | ▼ -1% | 1.0 |
| MemorialCare | | | 1,012 | 100% | 0% | 0% | 0% | 100% | ▬ 0% | <1 |
| Other Medical Center Affiliated (n=78) | | | 13,188 | 95% | 3% | 1% | 1% | 98% | ▬ -1% | <1 |
| Total Medical Center Affiliated | | | 163,336 | 87% | 9% | 3% | 1% | 96% | ▬ 0% | <1 |
| Public Health Labs | San Diego PHL | | 4,143 | 87% | 11% | 2% | 0% | 98% | ▬ 1% | 1.1 |
| | Contra Costa PHL | | 1,584 | 38% | 49% | 12% | 0% | 88% | ▲ 5% | 1.7 |
| | Tulare PHL | | 1,504 | 80% | 12% | 8% | 0% | 92% | ▼ -3% | 1.1 |
| | Sonoma PHL | | 1,284 | 59% | 38% | 3% | 0% | 97% | ▲ 32% | 1.4 |
| | LA PHL | | 1,245 | 72% | 24% | 1% | 2% | 97% | ▼ -3% | 1.4 |
| | Napa-Solano-Yolo PHL | | 1,234 | 88% | 11% | 1% | 0% | 99% | ▲ 2% | 1.0 |
| | Orange PHL | | 1,111 | 62% | 32% | 6% | 0% | 94% | ▼ -1% | 1.5 |
| | Monterey PHL | | 1,096 | 90% | 10% | 0% | 0% | 100% | ▬ 1% | <1 |
| | Alameda PHL | | 1,065 | 58% | 20% | 15% | 7% | 78% | ▼ -8% | 2.1 |
| | Other PHL (n=15) | | 6,447 | 75% | 19% | 5% | 1% | 94% | ▲ 6% | 1.3 |
| | Total PHL | | 20,713 | 74% | 20% | 5% | 1% | 94% | ▲ 5% | 1.3 |
| | Uncategorized ³ | Uncategorized | | 3,221 | 81% | 10% | 8% | 1% | 91% | ▬ -1% |

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2. Results assigned to week based on specimen result date; Results may be delayed entering CaREDIE production, therefore the metrics retroactively change

3. Uncategorized entities are reporting facilities that could not be determined to be a commercial lab, a medical center affiliated lab, or a public health lab

4. Numbers may not add up due to rounding

Note: The metrics described may differ from other state-reported data. The testing volumes in this report includes only ELR messages received in CaREDIE production

Source: CaREDIE ELR messages received in CaREDIE production; "Specimen collected date" and "Result date" are reported by the laboratory via HL7 ELR message

Methodology for calculating lab turnaround time (TAT) from specimen collection to lab result

Data

- Data source - CalREDIE Electronic Lab Reporting (ELR) messages received in CalREDIE production
- "Specimen collected date" and "Result date" are reported by the laboratory via HL7 ELR messages

Assumptions

- Specimens collected prior to 3/1/2020 excluded from analysis due to potential concerns with data accuracy
- Only labs processing at least 1K tests during the reporting period are included in the lab breakdown
- The turnaround time measured is defined the time between collection of specimen and reporting of results.
 - This includes time to collect the specimen, time to ship the specimen and time to process the specimen and report the result. Some delays incurred between specimen collection and lab receipt of specimen may not be attributable to the labs.
- The turnaround time data for individual test results are currently only available at the date level (vs. date & timestamp). As such, the turnaround time calculations are based on whole day. On occasion, turnaround time may be higher if there is a date change between collection of specimen and reporting of results.
- **Sample calculation**
 - Example data: Specimen collected date: 7/20, Result date: 7/27, DISA arrival date: 7/27
 - Specimen collection to CDPH receipt of lab result = Result date (7/27) - Specimen collected date (7/20) = 7 days
 - Lab result to CDPH receipt of lab: DISA arrival date (7/27) - Result date (7/27) = <1 day

Additional notes

- The metrics described may differ from other state-reported data. The testing volumes in this report includes only ELR messages received in CalREDIE production
- Results are assigned to week based on specimen result date and there may be a delay in releasing results into CalREDIE production, as local health jurisdictions may still be processing the result in the reported period. As such, the metrics may retroactively change as results come in for prior reporting periods